



GeneProof[®]

GeneProof *Treponema pallidum* PCR Kit



HIGHLY SPECIFIC DETECTION

- Secured by highly conservative *poIA* gene for DNA polymerase I

UNIVERSAL PCR PROFILE

- Simplifies laboratory workflow
- Easily combinable with other PCR kits from the STI group, especially with GeneProof Herpes Simplex Virus (HSV-1/2) PCR Kit
- Suitable for differential diagnostics of genital ulcer, appearing in the primary stage of syphilis

CONTAMINATION ELIMINATION

- Ready-to-Use Master Mix contains Uracil-DNA glycosylase (UNG) and dUTPs eliminating contamination with amplification products



COMPATIBLE WITH A WIDE
RANGE OF REAL-TIME PCR
DEVICES



CERTIFIED
DIAGNOSTIC TEST



GeneProof Treponema pallidum PCR Kit

- + CT/NG/MG Multiplex PCR Kit
- + Mycoplasma genitalium/hominis PCR Kit
- + Herpes Simplex Virus 1 (HSV-1) PCR Kit
- + Chlamydia trachomatis PCR Kit
- + Human Papillomavirus (HPV) PCR Kit
- + Herpes Simplex Virus 2 (HSV-2) PCR Kit
- + Neisseria gonorrhoeae PCR Kit
- + Ureaplasma PCR Kit
- + Herpes Simplex Virus (HSV-1/2) PCR Kit
- + MH/UU/UP Multiplex PCR Kit
- + Treponema pallidum PCR Kit
- + Trichomonas vaginalis PCR Kit

TECHNOLOGY	real-time PCR
TYPE OF ANALYSIS	qualitative
TARGET SEQUENCE	gene <i>polA</i> encoding DNA polymerase I
ANALYTICAL SPECIFICITY	<i>Treponema pallidum</i> , 100 %
ANALYTICAL SENSITIVITY (LOD)	reaches up to 0.61 cp/μl with the probability of 95 % (on synthetic DNA ultramer Control <i>Treponema pallidum</i>)
EXTRACTION/INHIBITION CONTROL	PCR inhibition and DNA extraction efficiency control
VALIDATED SPECIMEN	swab from genital ulcer, urine, transport medium: UTM [®] Viral Transport* (COPAN Diagnostics Inc.)
STORAGE	-20 ± 5 °C
VALIDATED EXTRACTION METHODS	croBEE NA16 Nucleic Acid Extraction System GeneProof PathogenFree DNA Isolation Kit
INSTRUMENTS	croBEE Real-Time PCR System** Applied Biosystems 7300 / 7500 Real-Time PCR System CFX Connect™ / CFX96™ / Dx Real-Time PCR Detection System LightCycler [®] 480 LineGene 9600 Plus Mic qPCR Cycler Rotor-Gene 3000 / Q SLAN [®] Real-Time PCR System StepOne™ / StepOne Plus™ Real-Time PCR System
REQUIRED DETECTION CHANNELS	FAM, HEX
EXTERNAL QUALITY ASSESSEMENT	Regularly tested by QCMD and Instand e.V. External Quality Assessment Panels - results at www.geneproof.com
REGULATORY STATUS	CE IVD

* UTM[®] Viral Transport is validated only in combination with croBEE NA16 Nucleic Acid Extraction System

** Validated Instrument

PRODUCT NAME	TECHNOLOGY	ORDER NO.		
		25 REACTIONS	50 REACTIONS	100 REACTIONS
GeneProof Treponema pallidum PCR Kit	real-time PCR	TP/GP/025	TP/GP/050	TP/GP/100